

Geologic Map of the Courthouse Wash - Sevenmile Canyon Area, Grand County, Utah

Base from U.S. Geological Survey Merrimac Butte 7.5 minute quadrangle.
Geology from Doelling and Morgan (2000). See Doelling and Morgan (2000)
and Doelling (2001) for detailed lithologic descriptions.

EXPLANATION

- Contact - dashed where location inferred
- Normal Fault - dashed where location inferred, dotted where concealed; ball and bar on downthrown side
- Anticline - dashed where location inferred; arrow shows direction of plunge
- Syncline - dashed where location inferred; arrow shows direction of plunge
- Strike and dip of bedding
- Water well - see table 3
- Springs
 - Eastern group
 - Western group
 - Northern group
- Petroleum exploration well - plugged and abandoned; see table A.1
- Cross section - see plate 2; some sections are truncated by map boundary
- Scanline sample site - see table 9 and text

Map Units

Quaternary

- Qf Fill and disturbed material (not shown on figure 7)
- Qal Modern alluvium
- Qa Older alluvium (included in units Qal and Qea on figure 7)
- Qaf Alluvial-fan deposits (included in units Qea and Qes on figure 7)
- Qes Eolian sand deposits
- Qea Mixed eolian and alluvial deposits
- Qmt Talus and colluvium (not shown on figure 7)
- Qer Mixed eolian and residual deposits

Cretaceous

- Kd Dakota Sandstone - Sandstone, conglomeratic sandstone, mudstone, and shale
- Kcm Cedar Mountain Formation - Mudstone, sandstone, conglomerate, and limestone

Jurassic

- Morrison Formation
 - Jmb Brushy Basin Member - Mudstone, conglomeratic sandstone, conglomerate, and limestone
 - Jms Salt Wash Member - Sandstone, mudstone, and siltstone
 - Jsmtd Tidwell Member of Morrison Formation and Summerville Formation, undivided - Siltstone, sandstone, and limestone
- Jctm Moab Member of Curtis Formation¹ - Cross-bedded sandstone
- Jes Slick Rock Member of Entrada Sandstone - Cross-bedded sandstone
- Jcd Dewey Bridge Member of Carmel Formation¹ - Sandstone
- Jn Navajo Sandstone - Cross-bedded sandstone
- Jk Kayenta Formation - Sandstone
- Jw Wingate Sandstone - Sandstone

Triassic

- Rc Chinle Formation - Sandstone, siltstone, conglomeratic sandstone, and mudstone
- Rm Moenkopi Formation - Sandstone, silty sandstone, and siltstone

Permian

- Pc Cutler Formation - Arkosic, micaceous sandstone and conglomerate

Pennsylvanian

- IPH Honaker Trail Formation - Sandstone, siltstone, limestone, and subarkosic sandstone

1 - Formerly mapped as a member of the Entrada Sandstone; see Doelling (2001) for explanation of nomenclature revision.

